

CLAIMS

1. A system for restoring execution of an application program after interruption in a distributed processing framework, comprising:

a post mortem object storing point of execution information for an application program, wherein the point of execution information is periodically updated to reflect a current point of execution within the application program at a time of the update; and

an agent process executing on a processing resource, wherein the agent process is capable of utilizing the post mortem object to reinitialize the application program to begin execution from a position described by the point of execution information.

2. A system as recited in claim 1, wherein the agent process sends an information request to the application program requesting execution information.

3. A system as recited in claim 2, wherein the application program returns execution information to the agent process in response to receiving the information request.

4. A system as recited in claim 3, wherein the execution information includes the current point of execution within the application program.

5. A system as recited in claim 4, wherein the application program is a test harness that executes a plurality of individual tests.

6. A system as recited in claim 5, wherein the point of execution refers to an individual test of the test harness that was most recently executed.

7. A system as recited in claim 6, wherein the agent process updates the post mortem object with an indication of the individual test referred to by the point of execution.

8. A system as recited in claim 7, wherein the agent process can reinitialize the test harness to begin execution from a particular individual test specified in the post mortem object.

9. A method for restoring execution of an application program after interruption in a distributed processing framework, comprising:

providing an agent process in communication with an application program;

updating a post mortem object using the agent process, wherein the agent process updates the post mortem object based on a current point of execution within the application program; and

reinitializing the application program after interruption of the application program
utilizing the post mortem object.

10. A method as recited in claim 9, further comprising the operation of
5 sending an information request from the agent process to the application program.

11. A method as recited in claim 10, further comprising the operation of
sending execution information from the application program to the agent process in
response to receiving the information request.

12. A method as recited in claim 11, wherein the execution information
includes a current point of execution within the application program.

13. A method as recited in claim 12, wherein the application is a test harness
15 that executes a plurality of individual tests.

14. A method as recited in claim 13, wherein the point of execution refers to
an individual test of the test harness that was most recently executed.

15. A method as recited in claim 14, further comprising the operation of updating the post mortem object with an indication of the individual test referred to by the point of execution.

5 16. A method as recited in claim 15, further comprising the operation reinitializing the test harness to begin execution from a particular individual test specified in the post mortem object.

10 17. A computer program embodied on a computer readable medium for restoring execution of an application program after interruption in a distributed processing framework, the computer program comprising:

a code segment that receives execution information from an application program, wherein the execution information includes a current point of execution within the application program;

15 a code segment that updates a post mortem object based on the execution information; and

a code segment that reinitializes the application program utilizing the post mortem object after interruption of the application program.

18. A computer program as recited in claim 17, wherein the application is a test harness that executes a plurality of individual tests, and wherein the point of execution refers to an individual test of the test harness that was most recently executed.

5 19. A computer program as recited in claim 18, wherein the post mortem object is updated with an indication of the individual test referred to by the point of execution.

10 20. A post mortem object as recited in claim 19, wherein the test harness is reinitialized to begin execution from a particular individual test specified in the post mortem object.